

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A biodegradable starch bowl being prepared to have a desired shape by heating and pressurizing a composition for the biodegradable starch bowl comprising unmodified starch having anion charges of 500 meg(milliequivalent) or more of 20[[~]]-60 wt.%; pulp fiber powder of 5[[~]]-30 wt.%; solvent of 30[[~]]-60 wt.%; ~~photo catalyst~~ titanium dioxide for sterilizing and deodorizing in which an anatase content is 70% or more of 0.1[[~]]-2.0 wt.%; ~~preservatives~~ sodium benzoate or sodium propionate of 0.01[[~]]-1 wt.%; and a releasing agent of 0.5[[~]]-5 wt.%, and a biodegradable film which has a thickness of 100-300µm for water-resistance being attached to an inner surface of the bowl.

2. (Currently amended) The biodegradable starch bowl according to claim 1, wherein the biodegradable film is made of one or more selected from a group consisting of ~~polylactic acid,~~ polycaprolactone, polybutylene succinate, polyethylene succinate, polyvinyl alcohol, polyglycolic acid, ester starch and cellulose acetate.

3. (canceled)

4. (Currently amended) The biodegradable starch bowl according to ~~any one of~~ claim 1 ~~to 3~~, wherein the unmodified starch is one or more selected from a group consisting of corn, ~~potato~~, wheat, rice, tapioca and sweet potato.

5. (Currently amended) The biodegradable starch bowl according to ~~any one of~~ claim 1 ~~to 3~~, wherein the pulp fiber powder has a fiber length of 10[[~]]-200 μm.

6. (Original) The biodegradable starch bowl according to claim 5, wherein the pulp fiber powder is made by crushing a broadleaf tree.

7. (canceled)

8. (Currently amended) The biodegradable starch bowl according to ~~any one of~~ claim 1 ~~to 3~~, wherein the photo catalyst is a titanium dioxide doped with one or more selected from a group consisting of ~~Fe(III)(Fe²⁺)~~, vanadium (V), molybdenum (Mo), niobium (Nb) and platinum (Pt).

Claims 9-12 (canceled)

13. (Currently amended) The biodegradable starch bowl according to claim ~~11~~2, wherein the releasing agent is a mixture of monostearyl citrate and magnesium stearate having the mixing ratio of 1 : 1.5 by weight.

14. (Currently amended) The biodegradable starch bowl according to ~~any one of~~ claim 1 ~~to 3~~, wherein the solvent is one or more selected from a group consisting of water, alcohol, alkaline aqueous solution and acidic aqueous solution.

15. (Original) The biodegradable starch bowl according to claim 14, wherein the solvent is water.

16. (Currently amended) A method for preparing a biodegradable starch bowl comprising steps of: preparing a composition for a biodegradable starch bowl comprising unmodified starch of 20[[~]]-60 wt.%; pulp fiber powder of 5[[~]]-30 wt.%; solvent of 30[[~]]-60 wt.%; ~~photo-catalyst~~ titanium dioxide for sterilizing and deodorizing in which an anatase content is 70% or more of 0.1[[~]]-2.0 wt.%; ~~preservatives~~ sodium benzoate or sodium propionate of 0.01[[~]]-1 wt.%; and releasing agent of 0.5[[~]]-5 wt.% (S1);

preparing a bowl having a desired shape by heating and pressurizing the composition (S2);

heating a biodegradable film which has a thickness of 100-300μm for water-resistance so as to be softened (S3);

and positioning the softened film on an upper part of the bowl and then pressurizing the film into the bowl with vacuum suction or air injection from an exterior, thereby attaching the film to an inner surface of the bowl (S4).

17. (Currently amended) The method for preparing a biodegradable starch bowl according to claim 16, wherein the biodegradable film made of one or more selected from a

group consisting of ~~polylactic acid~~, polycaprolactone, polybutylene succinate, polyethylene succinate, polyvinyl alcohol, polyglycolic acid, ester starch and cellulose acetate is used in the step of S3.

Claim 18 (canceled)

19 (Original) The method for preparing a biodegradable starch bowl according to claim 16, wherein the film is pressurized into the bowl with the air injection from an exterior and the vacuum-suction at the same time and thereby the film is attached to the inner surface of the bowl in the step of S4.

20. (Currently amended) The method for preparing a biodegradable starch bowl according to ~~any one of claim 16 to 19~~, wherein the unmodified starch being one or more selected from a group consisting of corn, ~~potato~~, wheat, rice, tapioca and sweet potato is used in the step of S1.

21. (Currently amended) The method for preparing a biodegradable starch bowl according to ~~any one of claim 16 to 19~~, wherein the pulp fiber powder having a fiber length of 10[[~]]200 μm is used in the step of S1.

22. (Original) The method for preparing a biodegradable starch bowl according to claim 21, wherein the pulp fiber powder being made by crushing a broadleaf tree is used in the step of S1.

Claim 23 (canceled)

24. (Currently amended) The method for preparing a biodegradable starch bowl according to ~~any one of claim 16 to 19~~, wherein the photo catalyst being a titanium dioxide doped with one or more selected from a group consisting of ~~Fe(III)(Fe²⁺)~~, vanadium (V), molybdenum (Mo), niobium (Nb) and platinum (Pt) is used in the step of S1.

Claims 25-28. (canceled)

29. (Currently amended) The method for preparing a biodegradable starch bowl according to claim ~~16~~28, wherein the releasing agent being a mixture of monostearyl citrate and magnesium stearate having the mixing ratio of 1 : 1.5 by weight is used in the step of S1.

30. (Currently amended) The method for preparing a biodegradable starch bowl according to ~~any one of claim 16 to 19~~, wherein the solvent being one or more selected from a group consisting of water, alcohol, alkaline aqueous solution and acidic aqueous solution is used in the step of S1.

31. (Original) The method for preparing a biodegradable starch bowl according to claim 30, wherein the solvent being water is used in the step of S1.